

DECLARATION

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "SYNCHRONIZATION TECHNIQUES IN A MULTITHREADED ENVIRONMENT," which is described and claimed in the foregoing specification and for which a patent is sought.

We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Gail A. Alverson

Gail A. Alverson

Date 7/19/99

Residence : City of Seattle, County of King
State of Washington

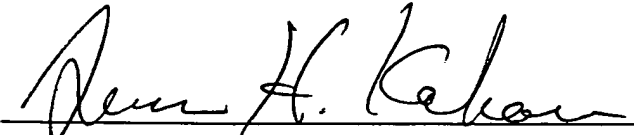
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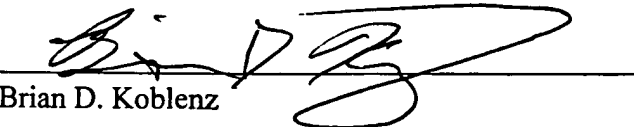
Charles David Callahan, II

Date 7/19/99
Residence : City of Seattle, County of King
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Citizenship : United States of America
P.O. Address : 3003 Northeast 193rd
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Simon H. Kahan

Date 7/16/99
Residence : City of Seattle, County of King
State of Washington
Citizenship : Canada
P.O. Address : 2415 East Roanoke Street
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Brian D. Koblenz

Date 7/16/99
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State of Washington
Citizenship : United States of America
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Allan Porterfield

Date 7/16/99

Residence : City of Bellevue, County of King
State of Washington

Citizenship : United States of America

P.O. Address : 10640 Woodhaven Lane
Bellevue, WA 98004



Burton J. Smith

Date July 16, 1999

Residence : City of Seattle, County of King
State of Washington

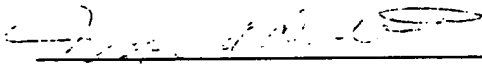
Citizenship : United States of America

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PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date


James A.D. White

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gail A. Alverson et al.
Application No. : 09/361,671
Filed : July 27, 1999
For : SYNCHRONIZATION TECHNIQUES IN A
MULTITHREADED ENVIRONMENT

Art Unit : 2784
Docket No. : 324758003US1
Date : November 17, 1999

Assistant Commissioner for Patents
Washington, DC 20231

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Sir:

In the matter of the above-identified application, I, Kenneth W. Johnson, declare that I am the Vice President – Finance and General Counsel of Tera Computer Company, the assignee of the entire interest. Documentary evidence of chain of title from the original owners to Tera Computer Company has been filed with and recorded by the United States Patent Office at Reel 010139, Frame 0433. The evidentiary documents referred to in the instant Revocation and Substitute Power of Attorney have been reviewed by the undersigned, and it is certified that, to the best of my knowledge and belief, title is in Tera Computer Company. I hereby revoke all power of attorney

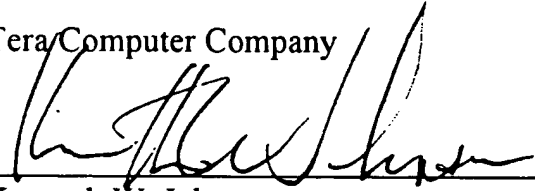
heretofore given and appoint JERRY A. RIEDINGER, Registration No. 30,582; MAURICE J. PIRIO, Registration No. 33,273; JOHN C. STEWART, Registration No. 40,188; MICHAEL D. BROADDUS, Registration No. 41,637; BRIAN P. MCQUILLEN, Registration No. 41,989; TARANEH MAGHAME, Registration No. 43,768; CATHERINE HONG TRAN, Registration No. 43,960; ROBERT G. WOOLSTON, Registration No. 37,263; PAUL T. PARKER, Registration No. 38,264; JOHN M. WECHKIN, Registration No. 42,216; BRIAN G. BODINE, Registration No. 40,520; CHRISTOPHER DALEY-WATSON, Registration No. 34,807, STEVEN D. LAWRENZ, Registration No. 37,376; and JAMES A.D. WHITE, Registration No. 43,985, as the principal attorneys with full power of substitution, association, and revocation to prosecute said application, to transact all business in the Patent and Trademark Office connected therewith, and to receive the letters patent therefor. Please direct all future correspondence to:

Patent-SEA
 Perkins Coie LLP
 1201 Third Avenue, Suite 4800
 Seattle, Washington 98101-3099
 Attn: James A.D. White

and direct all telephone calls to (206) 583-8888 and telecopies to (206) 583-8500.

March 19, 1989
 Date

Tera Computer Company


 Kenneth W. Johnson
 Vice President - Finance and General Counsel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gail A. Alverson, Charles David Callahan, II,
Simon H. Kahan, Brian D. Koblenz, Allan Porterfield,
and Burton J. Smith
Filed : Concurrently Herewith
For : SYNCHRONIZATION TECHNIQUES IN A
MULTITHREADED ENVIRONMENT

Docket No. : 902115.403c1

Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73 AND POWER OF ATTORNEY

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment filed concurrently herewith, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor.

Assignee hereby appoints RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANN, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK ABRAMONTE, Reg. No. 38,066; E. RUSSELL TARLETON, Reg. No. 31,800; KEVIN S. COSTANZA, Reg. No. 37,801; DALE C. BARR, Reg. No. 40,498; KEVIN S. ROSS, Reg.

No. 42,116; JOHN M. WECHKIN, Reg. No. 42,216; THOMAS E. LOOP, Reg. No. 42,810; STEPHEN J. ROSENMAN, Reg. No. 43,058; BRIAN L. JOHNSON, Reg. No. 40,033; JAMES D. WHITE, Reg. No. 43,985; KIMTON N. ENG, Reg. No. 43,605; SUSAN D. BETCHER, Reg. No. 43,498; DENNIS M. de GUZMAN, Reg. No. 41,702; JANE E.R. POTTER, Reg. No. 33,332, KEN TARBET, Reg. No. 43,181, and WILLIAM T. CHRISTIANSEN, Reg. No. P-44,614, comprising the firm of SEED AND BERRY LLP, 6300 Columbia Center, Seattle, Washington 98104-7092, as its attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to James A. D. White at (206) 622-4900 and telecopies to (206) 682-6031.

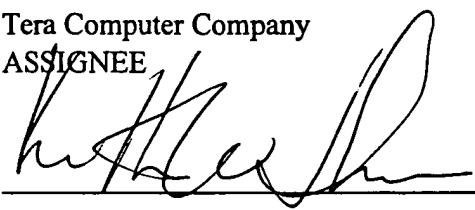
Please direct all communications to:

James A. D. White, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue
Seattle, Washington 98104-7092

Pursuant to 37 C.F.R. § 3.73, the undersigned duly authorized designee of Assignee certifies that the evidentiary documents have been reviewed, specifically the Assignment to Tera Computer Company filed concurrently herewith for recording, a copy of which is attached hereto, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Jul 21, 1997
DATE

Tera Computer Company
ASSIGNEE


Kenneth W. Johnson
Chief Financial Officer and General Counsel

Enclosure:
Copy of Assignment

ASSIGNMENT

WHEREAS, we, Gail A. Alverson, Charles David Callahan, II, Simon H. Kahan, Brian D. Koblenz, Allan Porterfield and Burton J. Smith (hereinafter referred to as ASSIGNORS), having post office addresses of 6827 54th Avenue Northeast, Seattle, WA 98115; 3003 Northeast 193rd, Seattle, WA 98155; 2415 East Roanoke Street, Seattle, WA 98112; 2644 West Boston Street, Seattle, WA 98199; 10640 Woodhaven Lane, Bellevue, Washington 98004; and 923 21st Avenue East, Seattle, WA 98112, respectively, are the joint inventors of an invention entitled "SYNCHRONIZATION TECHNIQUES IN A MULTITHREADED ENVIRONMENT," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

WHEREAS, Tera Computer Company (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at Merrill Place, 411 First Avenue South, Suite 600, Seattle, Washington 98104-2860, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

7/19/99
Date

Gail A. Alverson
Gail A. Alverson

State of Washington)
) ss.
County of King)

I certify that I know or have satisfactory evidence that Gail A. Alverson is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7/19/99
Signature of
Notary Public Carol Lynn Schlaff
Printed Name Carol Lynn Schlaff
My appointment expires 11-20-99

7/19/99
Date

Charles David Callahan, II
Charles David Callahan, II

State of Washington)
) ss.
County of King)

I certify that I know or have satisfactory evidence that Charles David Callahan, II is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated July 19, 1999
Signature of
Notary Public Carol Lynn Schlaff
Printed Name Carol Lynn Schlaff
My appointment expires 11-20-99

7/16/99
Date

Simon H. Kahan
Simon H. Kahan

State of Washington)
) ss.
County of King)

I certify that I know or have satisfactory evidence that Simon H. Kahan is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7/16/99

Signature of Notary Public Carol Lynn Schlaff

Printed Name Carol Lynn Schlaff

My appointment expires 11-20-99

7/16/99
Date

Brian D. Koblenz
Brian D. Koblenz

State of Washington)
) ss.
County of King)

I certify that I know or have satisfactory evidence that Brian D. Koblenz is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7/16/99

Signature of Notary Public Carol Lynn Schlaff


Printed Name Carol Lynn Schlaff

My appointment expires 11/20/99

Allan Porterfield
Allan Porterfield

I certify that I know or have satisfactory evidence that Allan Porterfield is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7/16/99
Signature of Carol Lynn Schlaff
Notary Public Carol Lynn Schlaff
Printed Name Carol Lynn Schlaff
My appointment expires 11/20/99


Burton J. Smith

State of Washington)
County of King) ss.

I certify that I know or have satisfactory evidence that **Burton J. Smith** is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7/16/99
Signature of
Notary Public Carol Lynn Schlaff
Printed Name Carol Lynn Schlaff
My appointment expires 11/20/99